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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/025,302	12/18/2001	Xiaofan Wang	2705-147	3337

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EXAMINER
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BILGRAMI, ASGHAR H

ART UNIT	PAPER NUMBER
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2143

DATE MAILED: 02/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

**Application No.**

10/025,302

**Applicant(s)**

WANG, XIAOFAN

**Examiner**

Asghar Bilgrami

**Art Unit**

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 18 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Bhatia (U.S. 6,094,659).

3. As per claims 1, 7, 15, 17, 23, 24, 25 & 26 Bhatia disclosed a method of operating a client that retrieves resources using HTTP commands (col.4, lines 50-67), the method comprising: accessing a public-switched-telephone-network line; dialing (col.10, lines 25-30), on the accessed line, a public-switched-telephone-network access number for a point-to-point HTTP server (col.11, lines 5-23); indicating that the client requests termination of the line as an HTTP connection to the point-to-point HTTP server (col.17, lines 24-30); and interacting with the point-to-point HTTP server over the accessed line using HTTP protocol requests and responses (col.25, lines 39-52).

4. As per claim 2 Bhatia disclosed the method of claim 1, further comprising the client examining a uniform resource locator for a requested resource, and distinguishing from the contents of the uniform resource locator whether the requested resource is reachable via a point-to-point HTTP server (col.30, lines 22-56).

5. As per claim 3 Bhatia disclosed the method of claim 2, wherein a uniform resource locator's contents indicate a point-to-point-HTTP-reachable resource by the presence of a point-to-point-HTTP-unique identifier in the service name field (col.31, lines 60-67 & col.32, lines 1-8).

6. As per claim 4 Bhatia disclosed the method of claim 2, wherein a uniform resource locator's contents indicate a point-to-point-HTTP-reachable resource by the presence of a telephone number in the domain name field (col.37, lines 14-40).

7. As per claim 5 Bhatia disclosed the method of claim 1, wherein indicating that the client requests termination of the line as an HTTP connection comprises transmitting at least one tone indicative of a point-to-point HTTP session, on the accessed line (col.17, lines 24-30 & col.21, lines 18-35).

8. As per claim 6 Bhatia disclosed the method of claim 1, wherein indicating that the client requests termination of the line as an HTTP connection comprises requesting a TCP connection to a TCP port on the HTTP server designated for point-to-point HTTP service (col.21, lines 18-35).

9. As per claim 8 Bhatia disclosed the method of claim 7, further comprising detecting that an incoming call is of a point-to-point call type by detecting a signal comprising at least one

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tone on the public-switched-telephone-network line, the signal indicative of a point-to-point HTTP call type (col.21, lines 6-35).

10. As per claim 9 Bhatia disclosed the method of claim 7, further comprising detecting that an incoming call is of a point-to-point call type by designating a TCP port on the HTTP server for point-to-point HTTP service, and associating an incoming call requesting a connection to that TCP port as a request for point-to-point HTTP service (col.21, lines 6-35).

11. As per claim 10 Bhatia disclosed the method of claim 7, further comprising requesting authentication of the client as an authorized user (col.13, lines 32-37).

12. As per claim 11 Bhatia disclosed the method of claim 7, further comprising parsing a resource path present in an HTTP request received from the client, determining whether the resource path is for a resource available at the server (col.4, lines 50-67), and when the resource path is for a resource not available at the server, determining whether the server can obtain the resource from a remote host (col.5, lines 24-33).

13. As per claim 12 Bhatia disclosed the method of claim 11, where determining whether the server can obtain the resource from a remote host comprises parsing a host identifier from the resource path (col.5, lines 34-53).

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14. As per claim 13 Bhatia disclosed the method of claim 12, further comprising comparing the host identifier to identifiers contained in an information base available to the server (col.30, lines 22-56).

15. As per claim 14 Bhatia disclosed the method of claim 11, wherein when the server determines that the resource is available from the remote host, the method further comprises requesting the resource from the remote host, receiving the resource from the remote host, and forwarding the resource to the client (col.5, lines 34-53, col.54, lines 50-67 & col.55, lines 1-22).

16. As per claim 16 Bhatia disclosed the HTTP server of claim 15, further comprising means for serving HTTP requests from the HTTP client for resources that do not reside on the server (col.5, lines 34-53, col.54, lines 50-67 & col.55, lines 1-22).

17. As per claim 18 Bhatia disclosed the HTTP server of claim 17, wherein the modem resource is capable of establishing multiple link layer connections to different clients, and wherein the point-to-point HTTP service is capable of serving concurrent HTTP requests from multiple clients via the modem resource (col.5, lines 59-64).

18. As per claim 19 Bhatia disclosed the HTTP server of claim 18, further comprising a TCP driver, wherein each client connects to the HTTP server by requesting a connection to a TCP port designated for the HTTP service, and the HTTP service identifies different clients by TCP socket (col.19, lines 31-56).

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19. As per claim 20 Bhatia disclosed the HTTP server of claim 17, further comprising a default resource to be returned to the client when the client submits an empty resource request (col.4, lines 50-67).

20. As per claim 21 Bhatia disclosed the HTTP server of claim 17, further comprising an HTTP remote retrieval service capable of serving resources to a client, where those resources are not physically located on the server but are hosted on a separate host connected to the HTTP server by a data network (col.4, lines 50-67 & col.5, lines 24-33).

21. As per claim 22 Bhatia disclosed the HTTP server of claim 17, wherein the modem resource comprises a data network tunnel to a remote network access device (col.4, lines 50-67 & col.5, lines 24-33).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Asghar Bilgrami whose telephone number is 571-272-3907. The examiner can normally be reached on M-F, 8:00-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Asghar Bilgrami  
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AB

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